

## **Report for 2002CT5B: Water Resources Technology Transfer Initiative**

- Water Resources Research Institute Reports:
  - Golf Course Water BMP Advisory Committee, 2001, "Report of the Advisory Committee On Potential Best Management Practices For Golf Course Water", Connecticut Institute of Water Resources, University of Connecticut, Storrs, CT, 75pp.

**Report Follows:**

**Title:** Water Resources Technology Transfer Initiative

**Principal Investigator(s):** Glenn Warner and Patricia Bresnahan

**Congressional District:** 2nd

## **Problem Statement**

There are a number of academic researchers in Connecticut and within the New England region working on water resources problems. The information and techniques being developed by their research is of value and interest to state agencies, the private sector, and the general public. There are three levels of information exchange that need to be addressed in order to ensure that the information gets to the people who need it:

- **General awareness:** members of the academic community need to be aware of the work that has been done or is in progress by researchers outside their immediate circle of peers. People outside of the academic community need to be aware of current and previous work, and to have access to that information. The CT IWR office maintains a small library of reports and publications generated from previous projects. Some, but not all, of this work is available through peer-reviewed publications. In some cases only one remaining paper copy of the original report exists. There is a need to both preserve this information and to disseminate it more widely.
- **Focused attention on a specific issue:** There is often a need to determine the state-of-the-art of knowledge on a specific water resource topic, especially as government agencies attempt to move towards science-based policy.
- **Focused attention on a specific technique or technology:** It is not financially feasible for every academic department dealing with water resources to maintain the staff and equipment necessary to train new professionals in all the latest techniques. As a result, each institution tends to develop one or two unique areas of expertise, limiting the exposure of students to new technology.

## Summary of Information Transformation Program

### *Seminar Series*

This year (2002-2003) the Institute sponsored six seminars with a general theme of "Beyond the Drought: A Closer Look at Water Supply and Demand in Connecticut." The theme and individual topics were selected based on needs that emerged during discussions that took place as a part of the Water Planning Council activities.

| <b>CT IWR 2002 - 2003 Seminar Series</b>  |
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| <b>Wednesday, October 9, 2002</b><br><b>"Rainfall in Connecticut."</b><br><i>Dr. David Miller, Dept. Natural Resource Management and Engineering, University of Connecticut</i>   |
| <b>Wednesday, November 13, 2002</b><br><b>"The Quinnipiac Watershed: Preliminary Assessment of Water Withdrawals and Streamflows."</b><br><i>Charles Fredette and Peter Spangenberg, Bureau of Water Management, Connecticut Department of Environmental Protection</i> |
| <b>Wednesday, December 11, 2002</b><br><b>"Water Supply Planning: Inter-basin and Inter-jurisdictional Issues."</b><br><i>Rep. Mary Mushinsky, Connecticut State Representative, 85<sup>th</sup> Assembly District</i>  |
| <b>Wednesday, February 12, 2003</b><br><b>"Modeling of Water Resources in the Pawcatuck River Basin"</b><br><i>Gardner Bent, Hydrologist, U.S. Geological Survey, Massachusetts – Rhode Island District.</i>  |
| <b>Wednesday, March 12, 2003</b><br><b>"The Connecticut Drought Management Plan."</b><br><i>Sid Albertsen, Planning Specialist, Policy Development and Planning Division, Office of Policy and Management</i>   |
| <b>Wednesday, April 9, 2003</b><br><b>"Public Water Systems: The Effect of Rates on Demand."</b><br><i>Dr. Julie Hewitt, Economist, National Center for Environmental Economics, U.S. Environmental Protection Agency.</i>  |

### ***Golf Course Compliance Assistance Project***

In November of 2000, the Connecticut Department of Environmental Protection (DEP) and the Connecticut Institute of Water Resources (IWR) began collaborating on water management information transfer project. The focus of the project was to facilitate the development of a list of potential Best Management Practices (BMPs) for Golf Course Water and to manage an outreach effort to include a one-day conference for industry professionals. The CT IWR received \$30,000 for this effort. This project concluded in November, 2002.

### ***Publications***

#### **Rainfall Publication.**

We have a manuscript in preparation, authored by Dave Miller and Glenn Warner, that will deal with historical precipitation patterns in Connecticut. This will be published as an IWR Special Report, and will be available both in .pdf format through our web site, and as a hard copy publication.

#### **Digital Archives Project.**

As part of the Water Resources Technology Transfer Initiative, CT IWR is collaborating with the UCONN Homer Babbage Library on a digital archive project. The library has agreed to donate \$2500 towards this project. The library will be covering the expenses of having the IWR Special Reports series professionally scanned and saved in both .tif and searchable .pdf format. The library will also be updating their catalog database to make sure these are included. Eventually, the scanned articles themselves will be stored and accessible through the library's web server, through a web interface developed and maintained by the library. Mark Hood, a graduate student supported by IWR has been working closely with the library on this project, and has compiled a list of keywords for each article to be included in the "metadata" tables. The CANR liaison librarian, Jonathan Nabe, has been instrumental in obtaining library support for this project. Jonathan hopes that it can serve as a model for others of its type at both at UCONN and within the regional IWR system.